

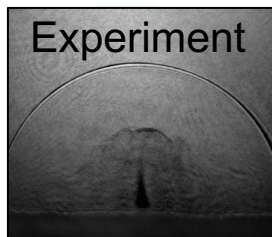
NOW RECRUITING **Ph.D. Students Interested in Nuclear Security!**

We address gaps and challenges in the technologies needed to monitor and verify nuclear materials and activities around the world by executing research projects in close collaboration with national laboratory, industry, and government collaborators.

At UF, we are actively recruiting Ph.D. students interested in applying experimental and computational approaches to make advances in this critical field. Our research includes radiation detection, non-destructive analysis, active and passive interrogation, laser sensing, nuclear fireball plasma physics and chemistry, weapon effects, machine learning, environmental radiochemistry, forensics, and intelligence/policy.

In addition to nuclear security, our program is widely recognized for its research in nuclear fuels and materials, advanced characterization, machine learning and artificial intelligence, plasma physics, and reactor physics and thermalhydraulics. Students can get hands-on experience working with irradiated fuels and materials, work with an award-winning radiography system, or design new reactors using HiPerGator, one of the most powerful supercomputers on the planet.

Our NE graduates consistently land jobs in academia, at national laboratories and with industry leaders worldwide. Recent alumni now work for Oak Ridge, Los Alamos, Idaho, Lawrence Livermore, and Pacific Northwest National Labs, U.S. Intelligence Community, Department of Defense, and at X-Energy and Southern Nuclear.



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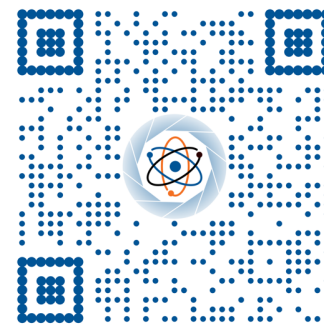
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Nuclear Security Faculty



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Research Facilities

- University of Florida Training Reactor (UFTR) - 100kW; modified Argonaut type, graphite-moderated, graphite-reflected, light water-cooled reactor
- The Advanced Radiation Detection and Imaging Systems (TARDIS) Laboratory
- Nuclear Materials Laboratory
- Irradiated Nuclear Fuels and Materials Characterization Facility (NSUF Facility)
- Materials for Nuclear Advancement and Technology in Extreme Environments (MANATEE) Center for Advanced Nuclear Fuels
- Center for Advanced Nuclear Fuels
- HiPerGator (UF High Performance Computing Center)
- Optical Science and Nonproliferation Laboratory
- Radiochemistry Laboratory



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